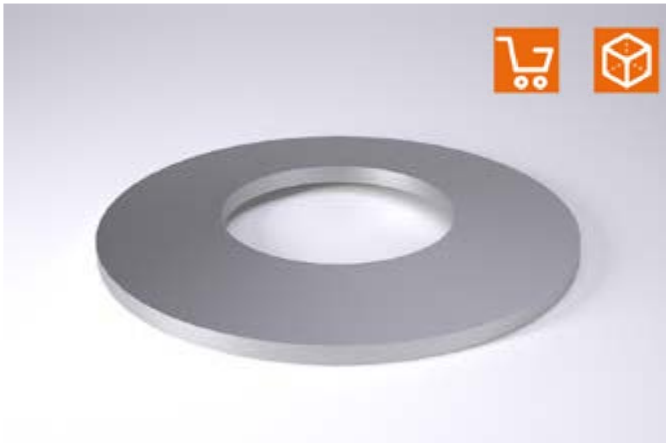
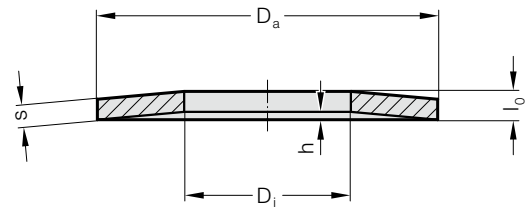


DISC SPRING DIN 2093



242.01.



Material:

50 CrV 4 Vanadium Spring Steel

Note:

FIBRO Disc springs 242.01. are made from 50 CrV 4 premier grade spring steel. This "classic" spring material guarantes optimal performance levels within the temperature range from -15 °C to +150 °C. "Hot presetting" allows working temperatures from -25 °C to +200 °C.

D_a = outside diameter of spring

D_i = diameter of hole

s = crosssectional thickness of spring

h = concavity of free spring

l_0 = total height of free spring

f = deflection of spring, caused by load F

F = load F [N], causing deflection f

242.01. Disc spring DIN 2093

Order No	in accord. with DIN 2093 series	D_a h12	D_i H12	s	h	l_0	$f_1=$		$f_2=$		$f_3=$		$f_4=$		$f_5=$	
							0,2 h	F_1 [N]	0,4 h	F_2 [N]	0,6 h	F_3	0,7 h	F_4 [N]	0,8 h	F_5 [N]
242.01.080.032.040		8	3.2	0.4	0.2	0.6	0.04	58	0.08	110	0.12	160	0.14	180	0.16	200
242.01.100.052.040	B	10	5.2	0.4	0.3	0.7	0.06	73	0.12	134	0.18	180	0.21	200	0.24	220
242.01.125.062.050	B	12.5	6.2	0.5	0.35	0.85	0.07	100	0.14	180	0.21	250	0.24	280	0.28	310
242.01.140.072.080	A	14	7.2	0.8	0.3	1.1	0.06	230	0.12	450	0.18	660	0.21	770	0.24	870
242.01.150.052.070		15	5.2	0.7	0.4	1.1	0.08	180	0.16	340	0.24	470	0.28	540	0.32	610
242.01.160.082.060	B	16	8.2	0.6	0.45	1.05	0.09	145	0.18	260	0.27	360	0.31	400	0.36	440
242.01.160.082.090	A	16	8.2	0.9	0.35	1.25	0.07	300	0.14	580	0.21	850	0.24	970	0.28	1,100
242.01.180.092.100	A	18	9.2	1	0.4	1.4	0.08	370	0.16	720	0.24	1,050	0.28	1,200	0.32	1,350
242.01.200.102.080	B	20	10.2	0.8	0.55	1.35	0.11	250	0.22	470	0.33	650	0.38	730	0.44	800
242.01.200.102.090		20	10.2	0.9	0.55	1.45	0.11	340	0.22	640	0.33	900	0.38	1,000	0.44	1,150
242.01.200.102.110	A	20	10.2	1.1	0.45	1.55	0.09	450	0.18	870	0.27	1,350	0.31	1,450	0.36	1,650
242.01.230.122.125		23	12.2	1.25	0.6	1.85	0.12	710	0.24	1,360	0.36	1,960	0.42	2,240	0.48	2,520
242.01.250.122.150	A	25	12.2	1.5	0.55	2.05	0.11	860	0.22	1,650	0.33	2,450	0.38	2,800	0.44	3,100
242.01.250.122.100		25	12.2	1	0.6	1.6	0.12	320	0.24	600	0.36	840	0.42	950	0.48	1,050
242.01.280.142.100	B	28	14.2	1	0.8	1.8	0.16	400	0.32	720	0.48	970	0.56	1,100	0.64	1,200
242.01.280.142.150	A	28	14.2	1.5	0.65	2.15	0.13	850	0.26	1,650	0.39	2,400	0.45	2,700	0.52	3,100
242.01.315.163.125	B	31.5	16.3	1.25	0.9	2.15	0.18	660	0.36	1,200	0.54	1,650	0.63	1,850	0.72	2,000
242.01.315.163.175	A	31.5	16.3	1.75	0.7	2.45	0.14	1,150	0.28	2,200	0.42	3,200	0.49	3,700	0.56	4,200
242.01.355.183.200	A	35.5	18.3	2	0.8	2.8	0.16	1,550	0.32	3,000	0.48	4,300	0.56	5,000	0.64	5,600
242.01.400.142.150		40	14.2	1.5	1.25	2.75	0.25	950	0.5	1,700	0.75	2,200	0.87	2,500	1	2,700
242.01.400.204.225	A	40	20.4	2.25	0.9	3.15	0.18	1,900	0.36	3,700	0.54	5,400	0.63	5,200	0.72	7,000
242.01.450.224.250	A	45	22.4	2.5	1	3.5	0.2	2,300	0.4	4,500	0.6	6,400	0.7	7,400	0.8	8,500
242.01.500.183.150		50	18.3	1.5	1.8	3.3	0.36	1,200	0.72	2,000	1.08	2,400	1.26	2,600	1.44	2,700
242.01.500.254.250		50	25.4	2.5	1.4	3.9	0.28	2,850	0.56	5,350	0.84	7,600	0.98	8,650	1.12	9,650
242.01.500.254.300	A	50	25.4	3	1.1	4.1	0.22	3,500	0.44	6,800	0.66	10,000	0.77	11,500	0.88	13,000
242.01.560.285.200	B	56	28.5	2	1.6	3.6	0.32	1,600	0.64	2,900	0.96	3,900	1.12	4,300	1.28	4,700
242.01.600.204.200		60	20.4	2	2.1	4.1	0.42	2,000	0.84	3,400	1.26	4,300	1.47	4,700	1.68	5,000